# EXPERIMENT-15

224G1A0552. Manjunath Reddy Sunkaru

```
SQL> CREATE TABLE instruct(
  2  id NUMBER PRIMARY KEY,
  3  name VARCHAR2(10) NOT NULL,
  4  dname VARCHAR2(10) NOT NULL,
  5  salary NUMBER CHECK(salary>10000)
  6  );

Table created.
```

```
SQL> INSERT ALL
  2  INTO instruct VALUES(1,'HARSHA','CSE',50000)
  3  INTO instruct VALUES(2,'ARUN','CSE',60000)
  4  INTO instruct VALUES(3,'BASHA','ECE',55000)
  5  INTO instruct VALUES(4,'DINESH','EEE',65000)
  6  SELECT * FROM DUAL;

4 rows created.
```

```
SQL> CREATE OR REPLACE TRIGGER display_changes
  2  BEFORE UPDATE ON instruct
  3  FOR EACH ROW
  4  WHEN(NEW.ID=OLD.ID)
  5  DECLARE
  6  sal_diff number;
  7  BEGIN
  8  sal_diff:=:NEW.salary-:OLD.salary;
  9  DBMS_OUTPUT.PUT_LINE('OLD SALARY: '||:OLD.salary);
 10  DBMS_OUTPUT.PUT_LINE('NEW SALARY: '||:NEW.salary);
 11  DBMS_OUTPUT.PUT_LINE('Salary difference : '||sal_diff);
 12  END;
 13  /

Trigger created.
```

```
SQL> DECLARE
  2  tot_rows NUMBER;
  3  BEGIN
  4  UPDATE instruct
  5  SET salary=salary*1.5;
  6  IF sql%notfound THEN
  7  DBMS_OUTPUT.PUT_LINE('no instructors updated');
  8  ELSIF sql%found THEN
  9  tot_rows:=sql%rowcount;
 10  DBMS_OUTPUT.PUT_LINE(tot_rows||' instructors updated');
 11  END IF;
 12  END;
 13  /

PL/SQL procedure successfully completed.

SQL> SET SERVEROUT ON
SQL> SET VERIFY OFF
SQL> /
OLD SALARY: 75000
NEW SALARY: 112500
Salary difference : 37500
OLD SALARY: 90000
NEW SALARY: 135000
Salary difference : 45000
OLD SALARY: 82500
NEW SALARY: 123750
Salary difference : 41250
OLD SALARY: 97500
NEW SALARY: 146250
Salary difference : 48750
4 instructors updated

PL/SQL procedure successfully completed.
```